**UTILITY PATENT APPLICATION TRANSMITTAL** (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. LAROIA 17-10-5-1

Total Pages in this Submission 31

### TO THE ASSISTANT COMMISSIONER FOR PATENTS

**Box Patent Application** 

СОМ	HOD A MUNIO	ND APPARATUS FOR TIME AND FREQUENCY SYCHRONIZATION OF OFDM CATION SYSTEMS	84581
and inve		y: IA, Junyi LI, Sundeep RANGAN, and Hemanth T. SAMPATH	
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K = 001		ATION ADDITION	
	n i inu. Intinua	ATION APPLICATION, check appropriate box and supply the requisite information:	
Which is		ation   Divisional   Continuation-in-part (CIP) of prior application No.:	
☐ Co		ation   Divisional   Continuation-in-part (CIP) of prior application No.:	
Which is	s a:		
☐ Co	ntinua	ation Divisional Continuation-in-part (CIP) of prior application No.:	
Enclose	d are:	Application Elements	
11 4 _	_		
1. [	⊠ Fili	ng fee as calculated and transmitted as described below	
2. [	⊠ Sp	ecification having pages and including the following:	
	a. 🛚	Descriptive Title of the Invention	
	b. 🗆	Cross References to Related Applications (if applicable)	
	c. 🗆	Statement Regarding Federally-sponsored Research/Development (if applicable)	
	d. □	Reference to Microfiche Appendix (if applicable)	
	a. □ e. ⊠		
		Background of the Invention	
	f. ⊠	Brief Summary of the Invention	
	g. ⊠	Brief Description of the Drawings (if drawings filed)	
	h. 🗵	Detailed Description	
	i. 🛚	Claim(s) as Classified Below	
	j. 🛛	Abstract of the Disclosure	

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Total Pages in this Submission 31

Application Elements (Continued)									
3.	$\boxtimes$	Draw	Drawing(s) (when necessary as prescribed by 35 USC 113)						
	a.		Formal Number of Sheets						
	b.	X I	nformal Number of Sheets11						
4.	X	Oath	or Declaration						
	a.	<b>X</b>	Newly executed (original or copy)   Unexecuted						
	b.		Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)						
	C.	<b>X</b> \	With Power of Attorney						
	d.	5	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).						
5.		The e	Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.						
6.		Computer Program in Microfiche (Appendix)							
7.		Nucle	Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)						
	a.	☐ F	Paper Copy						
	b.		Computer Readable Copy (identical to computer copy)						
	c.		Statement Verifying Identical Paper and Computer Readable Copy						
			Accompanying Application Parts						
8.	⋈✓	, Assig	nment Papers (cover sheet & document(s))						
9.		37 CF	R 3.73(B) Statement (when there is an assignee)						
10.		Englis	English Translation Document (if applicable)						
11.		Information Disclosure Statement/PTO-1449   Copies of IDS Citations							
12.		Prelim	inary Amendment						
13.	X	Ackno	Acknowledgment postcard						
14.	×	Certifi	Certificate of Mailing						
		□ F	irst Class 🗵 Express Mail (Specify Label No.): EL635628490US						

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. LAROIA 17-10-5-1

Total Pages in this Submission 31

Accompanying Application Parts (Continued)									
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)							
16.		Additional Enclosures (please identify below):							
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)							
17.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.							
	Warning								
	An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.								

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Total Pages in this Submission 31

#### Fee Calculation and Transmittal

#### **CLAIMS AS FILED** For #Filed #Allowed #Extra Rate Fee **Total Claims** 36 - 20 = \$288.00 16 х \$18.00 Indep. Claims 12 - 3 = 9 \$80.00 \$720.00 Multiple Dependent Claims (check if applicable) \$0.00 **BASIC FEE** \$710.00 OTHER FEE (specify purpose) \$0.00 **TOTAL FILING FEE** \$1,718.00 A check in the amount of to cover the filing fee is enclosed. ☑ The Commissioner is hereby authorized to charge and credit Deposit Account No. 12-2325 as described below. A duplicate copy of this sheet is enclosed. ☑ Charge the amount of \$1,718.00 as filing fee. Credit any overpayment. Charge any additional filing fees required under 37 C.F.R. 1.16 and 1√1/7. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Signature Dated: June 19, 2001 cc:

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CERTIFICATE OF	Docket No.  LAROIA 17-10-5-1, 375824/0139									
Applicant(s): LAROIA,										
Serial No.	Filing Date	Examiner		Group Art Unit						
Not yet assigned.	Herewith.	Not yet assigned.		Not yet assigned.						
•										
Invention: METHOD A COMMUNIC	ND APPARATUS FOR TIME AN CATION SYSTEMS	ND FREQUENCY SYCHRON	NIZATI	ON OF OFDM						
I hereby certify that the	following correspondence:									
Utility Patent Applicati	on Transmittal, Patent Applicatio	on (21 nagas). Duagrings (11 na	\ D	a alamatian and Damas and						
	Fransmittal, Assignment	on (31 pages), Drawings (11 pa	ages), D	eciaration and Power of						
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	(Identify type o	of correspondence)								
is being deposited with	n the United States Postal Service	ce "Express Mail Post Office	to Add	ressee" service under						
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	elope addressed to: The Assista	int Commissioner for Patents	s, wasni	Ington, D.C. 20231 on						
June 19,										
(Duic)										
Jennifer Bartolo  (Typed or Printed Name of Person Mailing Correspondence)										
		(Typed or Printed Name of Person	n Mailing	Correspondence)						
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